National Collaboratories and Network Research Breakout
*** All SciDAC and MICS PI's are Welcome ***

Hyatt Reston – Reston Suites B and Foyer

8:00 AM   Welcome and Charge to Participants - Mary Anne Scott and Thomas Ndousse-Fetter
Room: North Point/Tall Oaks

Meeting Objective: Developing Crosscutting Themes in the NC and NR Programs

8:15 AM   Panel Logistics - Ray Bair

Panel Guidelines:
- Each panel is centered on a common, vital technology theme that involves many projects, as both producers and consumers of capabilities in that area. These panels are an opportunity for interested PIs to carry on a dialogue about expectations and crosscutting issues. We hope this dialogue will be continued in other forms as we go forward.
- Each panelist is asked to make up to 10 minutes of opening remarks, focusing on an engineering view of (a) specific capabilities being developed in their project, (b) the planned schedule for the next 12 months, and (c) how their project's capabilities will interoperate and/or integrate with those of the other panelists (specifically) and other related projects.
- Then the chair will lead an open discussion directed at identifying (1) the early issues, (2) actions that participants agree to undertake to address them, and (3) how best to keep the dialogue going.

8:20 AM   Participants self-select panels to attend, and break into 2 groups

8:30-10:00 AM Session A

Panel 1: Security and Authentication for the SciDAC World
Room: Hunters Woods
Panelists
*   Chair: Bill Johnston (LBNL) - DOE Science Grid
*   Deb Agarwal (LBNL) - Reliable and Secure Group Communication
*   Mary Thompson (LBNL) - Distributed Security Architectures
*   Steve Tuecke (ANL) - Security and Policy for Group Collaborations

Panel 2: Distributed Data and Metadata Management
Room: North Point/Tall Oaks
Panelists:
*   Chair: Miron Livny (U Wisconsin) - Particle Physics Data Grid
*   Ian Foster (ANL) - High-Performance Data Grid Toolkit
*   Don Middleton (NCAR) - Earth System Grid II
*   Jim Myers (PNNL) - Scientific Annotation Middleware
*   Arie Shoshani (LBNL) - Storage Resource Management for Data Grid Applications
*   Micah Bech (UTK) - Logistical Networking for Distributed Data-Intensive Applications

10:00-10:20 AM Break, and then participants self-select panels to attend

10:20:11:50 AM Session B

Panel 3: End-to-End Network Performance and Monitoring

Room: North Point/Tall Oaks
Panelists:
*   Chair: Nagi Rao (ORNL) - Stability modeling of High-Performance Transport Protocols
*   Richard Baranuik (Rice U) - Edge-based Traffic Processing and Service Inference for High-performance Networks
*   Kimberly Claffy (U. California SD) – Bandwidth Estimation: Methodologies and Applications
*   Thomas Donigan (ORNL) - Net100: Development of network-Aware Operating Systems
*   Deb Argawal or delegate (LBNL) - Self-configuring Network Monitoring
*   Wu Feng (LANL) - Autotuning High-Performance Transport Protocols
*   Karsten Schwan (GAtech) - IQ-Echo
*   David Schissel (GA) - National Fusion Collaboratory

Panel 4: Portal Approaches for SciDAC
Room: Hunters Woods
Panelists:
*   Chair: Terry Disz (ANL) - Middleware to Support Group-to-Group Collaboration
*   Deb Agarwal or delegate (LBNL) - Pervasive Collaborative Computing Environment
*   Dennis Gannon (Indiana U) - Middleware Technology to Support Science Portals
*   Larry Rahn (SNL) - Collaboratory for Multi-Scale Chemical Science
*   Gregor von Laszewski (ANL) - CoG Kits

11:50-noonEveryone reconvenes in North Point/Tall Oaks

Noon-1:00 PM Panel Reports (by each chair)
*   Issues
*   Actions

1:00 PM   Closing Remarks: Mary Anne Scott and Thomas Ndousse-Fetter

3:30-5:30   Network Research PI's Meeting in North Point/Tall Oaks